

NOVEMBER/DECEMBER 2024

**23PEMB34A — BIOSAFETY, BIOETHICS  
AND IPR (ELECTIVE V)**

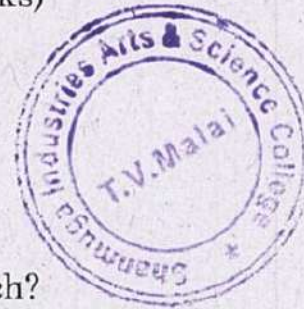
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Define copyrights.
2. Explain WIPO.
3. What is the purpose of a patent search?
4. Simplify the term of "PCT application".
5. What are the key exclusions for biotechnology inventions under the Indian Patent Act?
6. Define the term 'territorial nature of patents'.
7. What is bioethics, and why is it important?
8. Define the Food crops.
9. What is informed consent, and why is it crucial in medical ethics?
10. Define the Nuremberg Code and its significance in research ethics.





SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Explain the procedural steps involved in the patenting process.

Or

- (b) Describe the Different forms of Intellectual Property Rights.

12. (a) Describe the differences between pre-grant and post-grant opposition.

Or

- (b) Discuss the patent search methods.

13. (a) Explain the patentability criteria for biotechnological inventions in India as per the amended Patent Act 2005.

Or

- (b) Give a brief account on territorial to global patent regime.

14. (a) Discuss the social and cultural issues.

Or

- (b) Explain the Bioethics and GMO's.

15. (a) Elucidate the Gene therapy.

Or

- (b) Explain studies on Ethnic races.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the Intellectual Property Rights.

17. Discuss the role of PCT in patent harmonization and its benefits for inventors.

18. Analyze the merits and demerits of establishing a uniform global patent system for biotechnology inventions.

19. Write a detailed account on Bioethics and Biodiversity.

20. Elaborate note on Human genome project.

